

ADDENDUM

Project Name: WSU Tech Ed Bldg Steam, condensate,
and domestic water piping replacement
Ogden, Utah

Addendum No.: 1

DFCM Project # : 03053810

Date: April 15, 2004

From: WHW Engineering Inc
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To: All Bidders

This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated March 17, 2004 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 4 pages.

I - CHANGES TO PRIOR ADDENDA: N/A

II - CHANGES TO BIDDING REQUIREMENTS: None

III - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS: None

IV - CHANGES TO CONDITIONS OF THE CONTRACT: None

V - CHANGES/CLARIFICATIONS TO SPECIFICATIONS:

- Item V-1.** Specification section 15087 Table 1 pipe insulation thickness for steam and condensate piping shall be changed. See attached sheet with updated table.
- Item V-2.** Specification section 15185: Remove ITT Hoffman from approved manufacturer's lists.
- Item V-3.** Specification section 15410 1.1: Add the following paragraph to scope of work:
 - M. Domestic water piping shall be replaced in a manner allowing 1 set of restrooms in each wing to remain functional at all times. Provide isolation valves in tunnel and crawl space in branch lines to each restroom, capable of isolating each restroom from below.

VI - CHANGES/CLARIFICATIONS TO DRAWINGS:

- Item VI-1.** Sheet M-001: Add the following general note:
 - G-17 Where new piping requires new penetrations in existing floor tile (such as the tile found in the corridor and janitor's closets in the west wing, not the restroom tile), notify and coordinate with the University to abate these areas. This contractor shall be responsible to provide new tile in this area to match existing tile removed.
- Item VI-2.** Sheet ME-401 sheet note 18: The new tie in will not be possible at the time of abatement. As a result, a separate shut down of the campus main high pressure steam line will need to be coordinated with the University. This should be scheduled well in

advance of the planned shut-down in order to give the University adequate time to coordinate with all occupants and users of other buildings affected by this shut-down.

Item VI-3. Sheet ME-501 detail D1: Pipe sizes have been added to PRV station detail for clarification. See attached detail.

Item VI-4. Sheet PE-104: Men's restroom 2nd level only one riser is shown to large lavatory. This is because there should only be one floor penetration and riser for each hot and cold water line. Once above the floor, then piping shall branch off to re-connect to each faucet. This sink has three faucets.

PRIOR APPROVALS

THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOBSITE AND FOR REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

Description

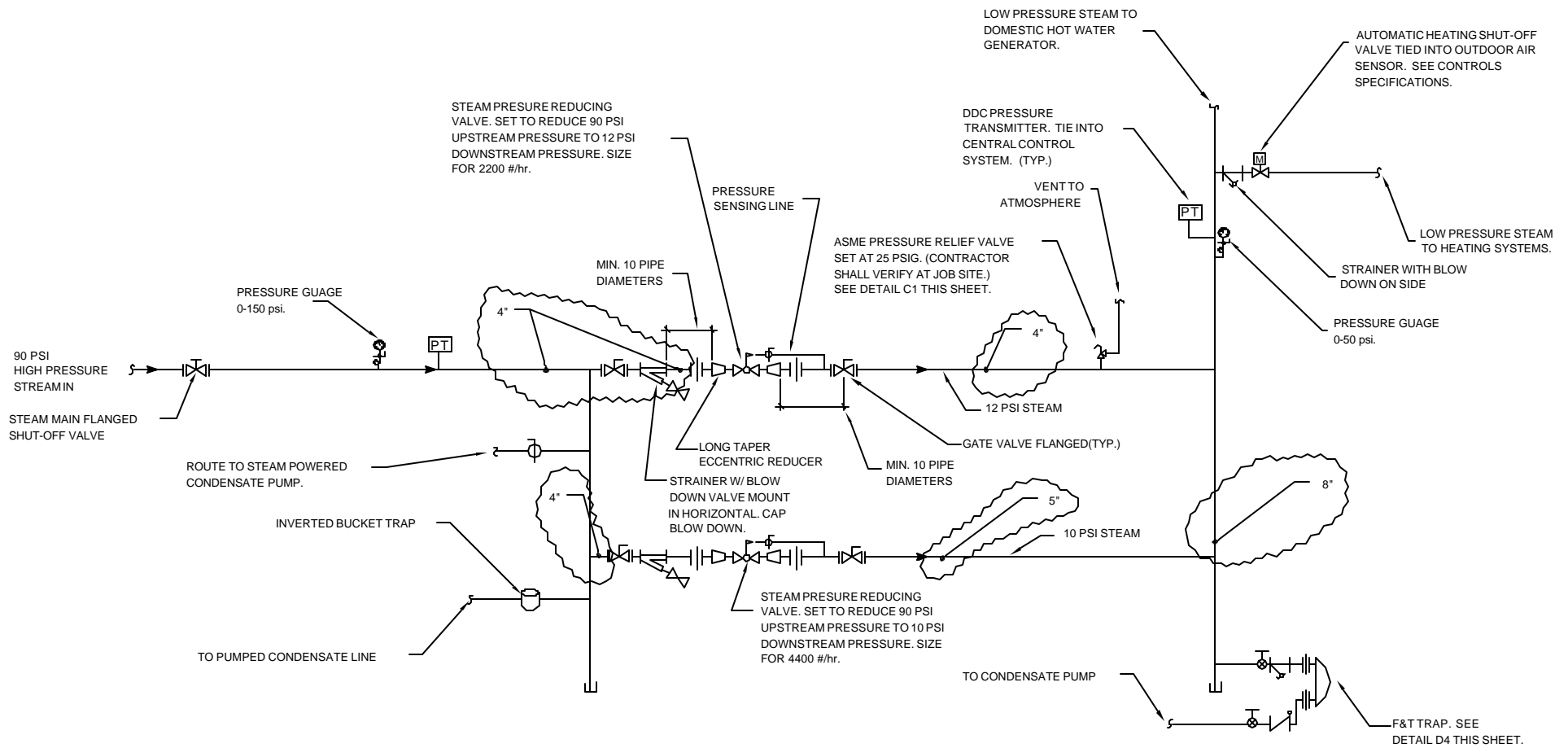
Manufacturer

15185 - Steam Traps	Watson McDaniel
15185 - Condensate Return Pump	Watson McDaniel
15185 - Pressure Regulating Valve	Watson McDaniel
15721 - Central Station Air Handling Units	York
15762 - Steam Convectors	Rittling
15766 - Steam Unit Heaters	Sterling
15766 - Steam Unit Heaters	Rittling
15820 - Dampers	Leader
15820 - Dampers	NCA

TABLE 1
Thickness of Pipe Insulation For Steam and Condensate Return Piping

PIPING SYSTEM	<u>PIPE SIZES</u> Insulation Thickness		
	UP TO 1"	1-1/4" TO 1-1/2"	2" AND LARGER
LOW PRESSURE STEAM	1-1/2"	1-1/2"	2"
HIGH PRESSURE STEAM	2-1/2"	3"	3"
CONDENSATE RETURN	1-1/2"	1-1/2"	2"

Note: Piping routed outside of building insulation envelope shall have insulation thickness increased by 1/2".



D1 STEAM PRESSURE REDUCING STATION DETAIL
SCALE: NONE